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DEPARTMENT OF AGRICULTURE

REPORT ON THE STATE AGRICULTURAL EXPERIMENT STATIONS

1958

Agricultural Research Service

UNITED STATES DEPARTMENT OF AGRICULTURE

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REPORT ON THE STATE AGRICULTURAL EXPERIMENT STATIONS, 1958

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Agricultural Research Service

Research continued in 1958 to strengthen agriculture through technological progress and improvement in agricultural marketing.

Agricultural research as a nationwide, publicly supported activity is carried on mutually and in close cooperation between the United States Department of Agriculture and the State Agricultural Experiment Stations. It gets widespread cooperation from farmers and farm organizations, marketing groups, private industry, such as processors and marketers of farm commodities, universities, research foundations, and similar public- and private-supporting bodies.

The organic laws that give governmental authority for establishment of the Federal and State research institutions are the Acts of May 15, 1862, "An Act to Establish a Department of Agriculture," and of July 2, 1862, known as the Land-Grant Act. The Land-Grant Colleges became the parent organizations of at least one agricultural experiment station in each State, Hawaii, and Puerto Rico, established under the Hatch Experiment Station Act of 1887. The only exception is Ohio, which has a separate governing board for its experiment station. Connecticut has two experiment stations, one at the University of Connecticut and the other at New Haven, which has a separate governing board. The Act provided for establishing the agricultural experiment stations as separate departments of the Land-Grant Colleges. It also was the first act to authorize Federal-grant payments to stimulate additional support in the form of State appropriations and private grants. Subsequent acts authorizing further amounts of annual Federal-grant payments for research at the agricultural experiment stations were passed in 1906, 1925, 1935, and 1946. These several authorizing acts were brought together under the Hatch Act as amended and approved on August 11, 1955, (Public Law 352--84th Congress).

Section 7 of the amended Hatch Act requires the Secretary of Agriculture to report annually to the Congress on the receipts and expenditures and work of the Agricultural Experiment Stations. The fiscal and operational activities of the stations during 1958 are summarized in the tables in this report. Statewide circulation is given to discoveries and progress in individual station reports and periodicals published at monthly, bimonthly, or quarterly intervals. Inquiries concerning specific phases of the total program of a station should be addressed to its Director, whose name and address will be found at the end of the report.

RESEARCH ENCOURAGES EFFICIENT PRODUCTION

Agricultural output per man hour has been gaining when compared with nonagricultural industry. From 1950 to 1957, output per man hour for nonagricultural industry rose 14 percent or about 2 percent annually. For the same period the gains for agriculture were even greater, totaling 39 percent, or more than 5 percent annually.

In August 1958, the Department of Agriculture published its fifth annual summary of the statistics of farm production and efficiency (USDA Statistical Bulletin No. 233). A table in the summary shows by decades since 1820 the number of persons supported by one farm worker in the United States. In 1820, one farm worker produced enough food and fiber to supply the needs of 4.12 persons, including himself. During the next 60 years the figure ranged from a low of 4.12 to a high of 5.57. In 1890, following passage of the first Hatch Experiment Station Act, the figure was 5.77. By 1957, one U. S. farm worker produced enough food and fiber for 23.55 persons.

A worker in an American factory buys a loaf of bread, a quart of milk, a dozen eggs, and a 2-pound chuck roast with what he currently earns from an hour of labor. In 1940, it took half again as many hours of factory work to buy this food. Agricultural research has meant a better diet at less cost for every man, woman, and child. It has meant new and higher quality products and wider and more efficient distribution.

In addition to making farm production more efficient, agricultural research also generates other activities that mean livelihoods to people. Every Agricultural Experiment Station can point to outstanding examples of how its research has contributed to the material wealth of the State in

the form of new industries, fundamental discoveries, and their application to human progress. In addition to the 7.6 million farm workers actually engaged in farm work, many others make their living from agriculture-related activities. Ten million nonfarmers or part-time farmers are employed in processing farm products in the canneries, creameries, flour mills, packing plants, and the like, and in such marketing activities as buying, selling, transporting, storing, packaging, wholesaling, and retailing these products. Six additional million are employed in the factories that manufacture farm machinery, fertilizers, pesticides, and other farm supplies. Thus, for every person engaged in producing food and fiber on the farm, about two persons are employed in agriculture-related work. Agricultural research is concerned with how all of these workers can improve their efficiency and in doing so provide the American consumer with a better product at a lower cost.

70 YEARS' STATE-FEDERAL COOPERATION

Under the Hatch Act, the Secretary of Agriculture is responsible for the Federal-grant moneys to be spent as intended by Congress. The State Experiment Stations Division of the Agricultural Research Service, U.S. Department of Agriculture, represents the Secretary of Agriculture in the administration of the act. In the pattern of State-Federal cooperation that has developed since the original Hatch Act of 1887, the agricultural experiment stations are regarded as independent, scientific establishments whose directors are responsible only to the parent land-grant institutions and State-governing bodies. The role of the Federal Department of Agriculture is primarily one of technical service to the experiment stations, involving planning, coordination, and review of research.

Before research that contemplates use of Federal-grant funds can be initiated by a State station, it must be approved by the State Experiment Stations Division. The review is made by staff specialists representing specific subject-matter areas who are also familiar with similar or related line projects undertaken by the Department of Agriculture, thus facilitating coordination. An annual visit is made by Division representatives to review research under way at the State Experiment Stations. While the primary purpose of this official visit is to examine progress of Federal-grant research under way, this review at most stations also includes the entire research program without regard to source of financial support. The State Experiment Stations Division maintains records of over 12,000 Federal-grant and State-supported projects. A series of research summaries in 27 subject-matter fields, indicating the nature and purpose of projects supported with Federal-grant funds is compiled biennially.

More than 12 percent of the research funds available to the State stations is devoted to 199 regional and interregional research projects. These projects are cooperatively planned by technical committees composed of representatives of the State stations of a region and the Department agencies, including a research specialist of the State Experiment Stations Division. Before regional research funds can be allocated for regional projects, such projects must be reviewed and recommended by the Committee of Nine and approved by the Division as provided by law. The Committee of Nine consists of two experiment station directors from each of the agricultural regions and a research representative from the Home Economics Division. The research carried out by each cooperating State and Department agency contributes to the specific objectives of the regional project, and progress is subject to review annually by the technical committees, the Committee of Nine, and the State Experiment Stations Division.

In addition to the official, formal pattern of cooperation outlined above, there is also a great deal of informal association and cooperation among scientists. This comes through membership in and meetings of scientific societies whose aims are the advancement of knowledge in specific areas of science.

For a continuous flow of properly trained scientific personnel, the State and Federal establishments rely to a large extent on the land-grant colleges and universities. These provide three principal services. One is resident education in science, both undergraduate and graduate. The second is research carried on in individual subject-matter departments but under the overall administration of the station director. This close relationship on the land-grant campuses between research and advanced scientific education has led to many basic discoveries. It permits employment by the experiment stations of scholars who, as graduate assistants, spend part of their time seeking answers to practical problems while also carrying on intensive advanced study leading to graduate degrees. Among this group are found many young people with rural background possessing the skills, imaginativeness, and incentive to do quality research. The third service of the land-grant agricultural colleges is cooperative extension work. Its function is to

bring to the attention of farmers and the public such Federal and State research findings as show promise for practical application to farmers.

This pattern of formal and informal cooperation in agricultural research has now been in operation for over 70 years. It has produced many outstanding results and great progress. It has to its credit many startling discoveries and has become the foundation of modern farm technology. Today approximately three-fifths of the publicly supported agricultural research is carried on at the State Agricultural Experiment Stations.

INCREASING EMPHASIS ON BASIC RESEARCH

Until the approach of World War II, the bulk of Federal support for scientific research went to agriculture, that is the Department of Agriculture and the State Agricultural Experiment Stations. The support thus given paid for itself many times over when measured in terms of total returns to our economy and overall scientific advancement. As we approached involvement in the war, the country recognized a critical need for strengthening the Nation's scientific defenses. It acknowledged the reality that the needed research was so wide in scope that a heavy increase in public support was vital. With the example of what such support had done in agriculture, the 1940's and 1950's saw considerable expansion in publicly sponsored research, much of it on the basis of grants to scientific institutions. In the fiscal year 1958, the Federal Government's total scientific research investment was $3.4 billion. Most of it went for defense items. Increasing amounts also became available for the life sciences including human medicine and agriculture. Total public expenditure of the State and Federal Governments for agricultural research was $216 million, an increase of $121 million or 127 percent over appropriations for 1948-49.

Agricultural research, both in the Department of Agriculture and at the Agricultural Experiment Stations, continues to lead in the emphasis being placed on fundamental research. This does not mean that they are engaged strictly in pure research. Of necessity, agricultural research must be problem-directed. But there are many examples of new contributions to scientific knowledge that grew out of simple projects directed at problems brought to the experiment stations by farmers. This includes some of the original discoveries that later led to application in human medicine. Two examples are the discovery of dicumarol, now used widely as an anticoagulant in heart cases, and studies from which came streptomycin and others of our so-called wonder drugs. Today, out of each dollar obligated for research, the Federal Government as a whole spends 8 cents for basic studies; the Department of Agriculture as a whole, about 17 cents; and the Agricultural Research Service, about 25 cents. About 22.3 percent of the State Experiment Station research supported with Federal-grant funds consists of basic studies. Officials responsible for planning and setting the goal for future research are talking in terms of 50 percent basic. Both in departmental and State experiment station recruitment, special consideration is given those applicants who show promise and ability to engage in fundamental studies.

Administrators of both Federal and experiment station research recognize their responsibilities for constant reappraisal of agricultural research programs and for directing research to those problem areas that urgently need solution. They are becoming increasingly concerned about the apparent lag in adjusting production of some commodities to market needs.

Past research has resulted in tremendous gains toward bringing about greater production efficiency. But our farms continue to produce far more wheat, cotton, and feed grains than we can use or sell or even give away without offending friendly countries that are also producing abundantly. The result is a paradox. While the per-man-hour output of labor on the farm is outstripping the per-man-hour output in industry, there is a widening gap between "real income" of farm workers and that of city workers. In terms of the 1947-49 value of the dollar, there has been a rise of 19 points in "real income" for industrial workers over the past 8 years, from 110 in 1950-51 to 129 in 1957-58. In the same period there has been a decline of "real income" for farm workers from 96 to 84. Such a widening gap between farm and city income requires new methods and new devices to bring the economy into better balance.

A serious gap exists in our knowledge of the theory and methods for measuring the impact of technology on productivity and on farm income in the aggregate. Experiment station leaders recognize that considerable research, including basic research, will have to be done to provide farmers with the technical information needed to make year-to-year adjustments. An increasing number of agricultural experiment stations are engaging in this kind of research. An increasing number are also engaging in research seeking new outlets for agricultural products in industry, new and better ways of food processing, increasing efficiency in marketing and transportation.

PUBLICATIONS

The agricultural experiment stations issue both technical and popular bulletins and reports. While the official and technical reports supply the authentic basic information, this is given far wider dissemination through mass media such as farm magazines, newspapers, radio, and television. Many findings are incorporated in textbooks used by students of agriculture in high schools and agricultural colleges. Also, through the close affiliation of the research agencies with cooperative extension workers in agriculture and home economics, findings that have been proved practical in field trials and under typical farm conditions rapidly become a part of standard farm practices.

Printed publications of the experiment stations in 1958 included 832 bulletins, circulars, and reports; 5,740 articles in scientific journals; and 1,368 miscellaneous publications. In addition, 1,126 popular and 1,511 technical reports, bulletins, and circulars were processed by the stations. In their reporting, stations have shown considerable initiative in grouping research results in such a way as to speed their acceptance by farmers who make use of the research findings to improve operating efficiency.

Data by individual States relating to personnel and publications are shown in tables 1 and 2.

INCOME AND EXPENDITURES

Appropriations under the authorization of the Act of August 11, 1955, (Public Law 352) for use by the experiment stations in 1958 totaled $30,103,708. Of this amount $672,000, authorized by section 3(c)5 of the act, were available to the State Experiment Stations Division for administration and $250,000 were provided to cover costs of penalty mail. Five million six hundred thousand dollars were available for allotment to the States for cooperative regional research projects authorized by section 3(c)3 and for travel by the Committee of Nine established in accordance with this section. The remaining amount of $23,581,708 was allotted to the States, Hawaii, Alaska, and Puerto Rico, under the formula described in sections 3(b) and 3(c)1 and 2 of the act. The amounts allotted under sections 3(b) and 3(c)1, 2, and 3 are shown in table 3.

In addition to the Federal-grant funds enumerated above, the division received funds from the Agricultural Marketing Act, section 204(b), for allotment to the State Agricultural Experiment Stations for marketing research. Allotments totaling $500,000 were made to the stations during the fiscal year 1958 (table 3).

Obligations of Federal-grant funds are shown under object classes by individual experiment stations in tables 5 and 6; obligations and allotments of funds from the Agricultural Marketing Act appropriation are shown in table 7; and obligations of non-Federal funds are indicated in table 8. The 1958 obligations of non-Federal funds which include State appropriations, research grants, and income from other sources totaled $96,958,478.95, as compared with $84,367,548.50 in 1957. The 1958 non-Federal fund obligations by all of the stations approximated $3.27 for each $1 of Federal grants. Summaries of obligations appear in tables 9 and 10.

TABLE 1.— Organization and personnel of the experiment stations for the year ended June 30, 1958

Station	Date of legislative assent to Hatch Act	Date of organization under Hatch Act	Personnel				
			Full-time research	Research and Teaching	Research and extension	Research, teaching, and extension	Workers engaged full or part time in research
			Number	Number	Number	Number	Number
Alabama	Feb. 27, 1889	Apr. 1, 1888	84	75		4	163
Alaska	May 2, 1929	May 1, 1931	17		6		23
Arizona	Mar. 19, 1889	July 1, 1889	92	66			158
Arkansas	Mar. 7, 1889	Apr. 2, 1888	90	73	1	3	167
California	Mar. 12, 1889	Mar. 13, 1888	203	426			629
Colorado	Mar. 25, 1889	Feb. 20, 1888	38	96		3	137
Connecticut:							
State	May 18, 1887	May 18, 1887	93				93
Storrs	May 18, 1887	Apr. 1, 1888	45	32		18	95
Delaware	Apr. 14, 1887	Feb. 21, 1888	8	20	7	8	43
Florida	June 7, 1887	Mar. 16, 1888	213	52	3	5	273
Georgia	Dec. 24, 1888	Feb. 18, 1888	139	67	1	10	217
Hawaii	Mar. 31, 1911	July 1, 1929	31	31		1	63
Idaho	Jan. 23, 1891	Feb. 26, 1892	37	56		3	96
Illinois	May 11, 1887	Mar. 21, 1888	98	129	15	16	258
Indiana	Jan. 19, 1889	July 1, 1887	136	131	24	22	313
Iowa	Mar. 1, 1888	Feb. 17, 1888	95	113	25	15	248
Kansas	Mar. 3, 1887	Feb. 8, 1888	49	192		1	242
Kentucky	Feb. 20, 1888	Apr. 29, 1888	102	69	10	5	186
Louisiana	July 12, 1888	Apr. 5, 1887	141	75	2	1	219
Maine	Mar. 16, 1887	Feb. 16, 1888	41	49		1	91
Maryland	Mar. 6, 1888	Mar. 9, 1888	26	40	11	34	111
Massachusetts	Apr. 20, 1887	Mar. 2, 1888	69	28	9	14	120
Michigan	Apr. 12, 1889	Feb. 26, 1888	88	159	17	6	270
Minnesota	Feb. 4, 1889	Jan. 26, 1888	72	196	6	4	278
Mississippi	Jan. 31, 1888	Spring, 1888	75	77	1	3	156
Missouri	June 11, 1889	Jan. 31, 1888	15	171	5	4	195
Montana	Feb. 16, 1893	July 1, 1893	33	96		6	135
Nebraska	Mar. 31, 1887	June 14, 1887	68	91	2	1	162
Nevada	Feb. 8, 1889	Dec., 1887	17	13	3	7	40
New Hampshire	Aug. 4, 1887	Feb. 22, 1888	8	47	6	7	68
New Jersey	Mar. 16, 1887	Mar. 5, 1888	70	96		2	168
New Mexico	Feb. 28, 1889	Nov. 14, 1889	26	38	3	3	70
New York:							
Cornell	Mar. 30, 1887	Apr. 30, 1888	39	164	30	53	286
State	(1)		78				78
North Carolina	Mar. 7, 1887	Dec. 5, 1889	113	115	2	5	235
North Dakota	Mar. 8, 1890	Oct. 15, 1890	29	63	1		93
Ohio	Mar. 16, 1887	Apr. 2, 1888	84	94	7	3	188
Oklahoma	Oct. 27, 1890	Aug. 14, 1891	55	99	10	11	175
Oregon	Feb. 25, 1889	July 2, 1888	94	136	7	3	240
Pennsylvania	June 3, 1887	June 30, 1887	1	249		1	251
Puerto Rico	Aug. 16, 1933	Nov. 14, 1935	152				152
Rhode Island	Mar. 31, 1887	Nov. 3, 1888	23	30	3	8	64
South Carolina	Dec. 22, 1887	Jan., 1888	77	45	3	4	129
South Dakota	Mar. 11, 1887	Nov. 17, 1887	24	93		5	122
Tennessee	Mar. 29, 1887	July 24, 1887	111	59	4	5	179
Texas	Apr. 2, 1887	Jan. 25, 1888	201	96	11	20	328
Utah	Mar. 8, 1888	Nov. 6, 1889	28	63	2	3	96
Vermont	Nov., 1888	Feb. 28, 1888	16	32	7	10	65
Virginia	Feb. 29, 1888	June 13, 1888	116	79	20	11	226
Washington	Mar. 9, 1891	May 1, 1891	103	91	5	3	202
West Virginia	Feb. 22, 1889	June 11, 1888	24	72	1	1	98
Wisconsin	(2)	July 1, 1887	75	136	14	26	251
Wyoming	Jan. 10, 1891	Mar. 27, 1891	25	56	1	5	87
Total			3,787	4,576	285	384	9,032

(1) First made eligible to receive part of the State allotment of Federal funds by legislative act approved May 12, 1894.
(2) Session of 1887.

TABLE 2.—Publications issued by the agricultural experiment etetions during the fiscal year ended June 30, 1958

Station	Printed publications																Processed publicetions			
	Reports, bulletins, and circulars:				Articles in journals				Periodicals				Pamphlets, leaflets, etc.				Reports, bulletins, circulars, etc.			
	Pop.	Tech.	Pages	Copies	Pop.	Tech.	Pages	Copies reprinted	Pop.	Tech.	Pages	Copies	Pop.	Tech.	Pages	Copies	Pop.	Tech.	Pages	Copies
Alabama	5	5	320	38,500		92	348	19,950	4		32	32,000	2		8	8,000	6	1	42	24,000
Alaska	10		148	44,400		5	23	800	4		32	8,000	3		3	12,000	10		52	4,400
Arizona	16	1	594	49,300		52	130		4		52	44,000	2		8	11,000		13	288	19,850
Arkansas		22	472	55,400		25	83	1,500		6	64	36,300						78	471	23,510
California	10	5	1,164	208,500	224	939	9,872		12	13	600	424,000	15	1	240	125,200	20	8	786	7,300
Colorado	3		100	8,100	41		410	8,200	4		56	14,000	4		27	10,675	21		394	15,784
Connecticut:																				
State		9	348	30,010	2	53	234		2		16	14,000	1		8	500				
Storrs		8	226	16,000		78	1,170	(1)	2		32	16,000					35	6	48	5,650
Delaware	1	1	52	4,000		56	151		10	16	74	81,000					6	7	125	1,300
Florida	13	6	828	175,000		128	512	23,750	4		80	40,000	282		1,269	23,000	73		770	30,372
Georgia	10	18	1,007	94,200	30	45	301	3,000	6		24	12,000					44	1	510	87,851
Hawaii	7	2	178	17,200		19	144	3,670	4		40	10,000	22		140	(1)		5	82	6,300
Idaho	6	2	164	33,500		20	100	25,000	4		32	52,000	1		4	10,000	10		200	10,000
Illinois	1	19	719	118,500		248	1,461	(1)										53	455	12,830
Indiana	22		636	127,000		112	448						5		236	19,500		75	620	200,000
Iowa	2	10	380	71,700		192	1,751	58,900	12		248	410,000	64	6	294	395,200	16		268	26,950
Kansas	35	29	1,569	464,415					99	131	919	723,364	18	2	318	51,500	161	81	2,423	167,903
Kentucky	1	11	560	46,800	6	41	188	(1)	4		40	13,500		9	444	37,000	2	8	131	35,500
Louisiana	5	11	322	82,600		64	266		4	4	96	32,000					8	101	1,890	46,075
Maine		18	599	38,600	46	41	(1)		4		148	30,000		4	162	3,575		7	116	3,400
Maryland	3	9	408	37,800		62	419	15,500									27	4	453	15,500
Massachusetts	1	7	260	14,700		48	240	6,050	2	12	80	14,200					98	1	120	(1)
Michigan	8	6	655	88,000		156	930			117	1,939	169,450	9		120	64,368		50	801	27,431
Minneeota	9	8	673	92,081	27	132	798		3		64	50,000					17	17	481	18,230
Mississippi	15	3	396	67,000	40	34	(1)	(1)	12		96	498,000	29		58	35,500	1		111	600
Missouri	16	26	1,416	133,100		124	(1)		12		48	300,000	52		52	92,980				
Montana	13	2	572	60,700		7	42	5,000					3		36	95,000				
Nebraska	10	5	439	90,100		73	292	(1)	2		32	30,000	42		53	69,350	15		863	38,850
Nevada	4		107	10,000		22	102										50		324	14,360
New Hampshire	8	1	365	20,000		14	83	3,300	2		28	5,000					6		82	4,675
New Jersey	2	2	52	10,600		96	566		2	1	1,096	99,000	12		209	36,500	18		58	84,100
New Mexico	11		328	29,100	9		46	2,000					1		16	7,500	10		358	8,600
New York:																				
Cornell		15	760	74,800	350	318	2,719		4		64	115,000						519	6,784	(1)
State	1	4	242	22,500					4		64	116,000	3		24	12,000	220	47	413	176,816
North Carolina	7	4	360	52,000		116	696	27,840	4	12	788	46,000		4	208	12,800		19	603	19,500
North Dakota	10	3	364	89,500		15	60	25,000	40	7	176	54,500					24		280	170,000
Ohio	1	30	1,050	125,500		95	485		6		96	156,000	32	3	304	11,500		271	1,273	83,559
Oklahoma	13	3	390	53,550	(1)	78	399		6		95	21,000	4		245	19,000	16		274	10,000
Oregon	14	2	484	74,300		18	99	(1)	4		80	6,100	19		375	25,000	14		148	17,300
Pennsylvania	17	11	410	95,000	6	82	441		4		64	48,000						7	105	1,460
Puerto Rico		3	116	9,000						4	266	12,000		34	174	23,400		2	120	6,000
Rhode Island	8	5	284	22,600		15	81	3,700										3	15	1,400
South Carolina	14		388	48,000		18			4		32	16,000					88	64	801	177,633
South Dakota	14	3	564	96,800		22	215		4		124	92,500	1		16	6,500	15		2,569	35,126
Tennessee	2	22	712	95,500	26	63	345	13,800	4		52	12,100					6		137	5,010
Texas	43	7	1,242	262,500		270	2,163		6		100	57,600	27		134	157,000	76	1	1,189	243,150
Utah	6		118	24,000		20	101		8		118	106,000	1		20	2,000	6		(1)	(1)
Vermont	2	2	116	12,240	1	7	44		4		64	23,675								
Virginia	11	2	730	49,800	140	124	720										1	10	242	19,500
Washington		25	675	49,050		161	735	33,500						4	21	7,000		35	463	35,700
West Virginia	13	4	304	78,500		14	78	3,400									1	1	34	5,000
Wieconsin	3	2	208	26,500		352	(1)	(1)									5	1	78	51,000
Wyoming	10	3	202	29,000		26	86		4		64	18,000						15	134	5,650
Total	436	396	25,776	3,767,546	948	4,792	30,577	283,860	324	323	8,215	4,058,289	654	67	5,226	1,388,548	1,126	1,511	28,984	2,005,125

(1) Total unknown.

TABLE 3.--Federal funds available to the experiment stations for the year ended June 30, 1958

Station	Federal-Grant Funds		Agricultural Marketing Act, Sec. 204(b)			Total Federal Funds Available
	Hatch Amended 1/	Regional Research Fund	Carryover from 1957	1958 Allotment	Total	
Alabama	$ 675,365.00	$ 111,693.00	$ 920.20	$ 6,000.00	$ 6,920.20	$ 793,978.20
Alaska	192,838.00	6,000.00		8,500.00	8,500.00	207,338.00
Arizona	248,108.00	96,100.00		6,000.00	6,000.00	350,208.00
Arkansas	568,704.00	92,696.00		2,500.00	2,500.00	663,900.00
California	640,888.00	180,535.00	2,630.00	16,500.00	19,130.00	840,553.00
Colorado	302,297.00	166,420.00	12.49	5,000.00	5,012.49	473,729.49
Connecticut:						
State	131,790.00	12,265.00				144,055.00
Storrs	131,791.00	60,200.00	3,361.13	9,000.00	12,361.13	204,352.13
Delaware	204,492.00	42,075.00		3,500.00	3,500.00	250,067.00
Florida	382,280.00	61,881.00	1,571.45	17,000.00	18,571.45	462,732.45
Georgia	702,810.00	154,097.00	3,554.21	9,000.00	12,554.21	869,461.21
Hawaii	230,850.00	34,800.00				265,650.00
Idaho	269,570.00	95,900.00				365,470.00
Illinois	664,711.00	165,150.00	33.73	7,550.00	7,583.73	837,444.73
Indiana	580,904.00	143,050.00	581.30	40,500.00	41,081.30	765,035.30
Iowa	582,882.00	213,800.00	404.74	34,450.00	34,854.74	831,536.74
Kansas	431,938.00	104,606.79	4.57	27,660.00	27,664.57	564,209.36
Kentucky	697,676.00	116,838.50	252.19	14,000.00	14,252.19	828,766.69
Louisiana	500,911.00	75,813.00		3,500.00	3,500.00	580,224.00
Maine	277,658.00	82,500.00	4,211.32	22,000.00	26,211.32	386,369.32
Maryland	334,282.00	89,680.00	2,511.40	7,000.00	9,511.40	433,473.40
Massachusetts	312,791.00	98,150.00				410,941.00
Michigan	633,732.00	95,568.21		84,600.56	84,600.56	813,900.77
Minnesota	564,837.00	157,125.00				721,962.00
Mississippi	683,356.00	140,550.00	574.86	11,500.00	12,074.86	835,980.86
Missouri	622,070.00	96,100.00		42,000.00	42,000.00	760,170.00
Montana	262,962.00	115,875.00				378,837.00
Nebraska	385,933.00	115,100.00		8,000.00	8,000.00	509,033.00
Nevada	191,684.00	62,025.00				253,709.00
New Hampshire	225,395.00	47,875.83				273,270.83
New Jersey	306,763.00	117,560.00	194.51	7,750.00	7,944.51	432,267.51
New Mexico	262,074.00	72,600.00				334,674.00
New York:						
Cornell	585,159.00	159,935.00				745,094.00
State	65,018.00	48,700.00				113,718.00
North Carolina	922,278.00	156,641.00				1,078,919.00
North Dakota	312,525.00	55,150.00				367,675.00
Ohio	750,578.00	134,200.00		11,750.00	11,750.00	896,528.00
Oklahoma	487,779.00	79,037.00	1,553.05	6,000.00	7,553.05	574,369.05
Oregon	341,297.00	133,070.00		14,000.00	14,000.00	488,367.00
Pennsylvania	826,236.00	153,930.00		3,000.00	3,000.00	983,166.00
Puerto Rico	635,215.00	107,674.00				742,889.00
Rhode Island	199,980.00	75,389.17				275,369.17
South Carolina	552,928.00	88,717.00				641,645.00
South Dakota	310,229.00	71,950.00		8,500.00	8,500.00	390,679.00
Tennessee	704,722.00	121,893.00		2,500.00	2,500.00	829,115.00
Texas	937,927.00	161,226.00		18,925.00	18,925.00	1,118,078.00
Utah	236,754.00	121,365.00				358,119.00
Vermont	235,268.00	33,400.00				268,668.00
Virginia	624,701.00	109,423.50				734,124.50
Washington	379,724.00	208,975.00	5,397.68	26,814.44	32,212.12	620,911.12
West Virginia	478,595.00	101,330.00		2,500.00	2,500.00	582,425.00
Wisconsin	576,166.00	151,445.00				727,611.00
Wyoming	214,287.00	94,920.00		12,500.00	12,500.00	321,707.00
Total	23,581,708.00	5,593,000.00	27,768.83	500,000.00	527,768.83	29,702,476.83

1/ Includes unexpended balances from the previous year as follows:
Connecticut, $10,600.89; Hawaii, $0.50; Illinois, $140.02; Indiana, $999.99; Cornell (New York), $0.61; New York (State), $113.59; Puerto Rico, $4,717.97; West Virginia, $4.41; and Wyoming, $3.14.

TABLE 4.--Non-Federal funds available to the experiment stations for the year ended June 30, 1958

Station	State Appropriations	Special Endowments, industrial fellowships, etc.	Fees	Sales	Miscellaneous	Balance From Previous Year	Total
Alabama	$ 1,025,630.93	$ 107,662.49	.....	$ 783,247.39	$ 4,849.65	$ 529,040.99	$ 2,450,431.45
Alaska	167,500.00	7,901.00	.....	77,582.00	.....	14,851.00	267,834.00
Arizona	964,867.69	74,367.80	.....	71,728.31	.....	32,434.44	1,143,398.24
Arkansas	1,369,517.13	72,045.87	.....	318,153.14	.....	153,108.87	1,912,825.01
California	9,652,437.32	703,203.89	.....	163,340.06	.....	876,057.37	11,455,038.64
Colorado	660,932.69	141,166.14	.....	265,831.09	.....	153,712.74	1,221,642.66
Connecticut:							
State	647,033.48	18,062.00	.....	.....	.....	.....	665,095.48
Storrs	454,749.00	116,615.00	$ 80,359.00	.....	.....	88,405.00	742,128.00
Delaware	218,210.00	140,804.87	.....	117,339.91	.....	77,430.59	553,785.37
Florida	4,357,091.00	154,339.02	.....	399,504.42	.....	373,572.32	5,284,506.76
Georgia	1,679,325.60	228,605.27	.....	927,306.42	52,033.49	588,894.49	3,476,165.27
Hawaii	620,643.04	.....	.....	70,605.25	82,795.72	26,051.71	800,095.72
Idaho	816,908.24	67,154.38	2,670.06	229,779.92	.....	126,368.95	1,242,881.55
Illinois	2,049,096.33	240,665.76	.....	480,539.19	.....	.....	2,770,301.28
Indiana	1,671,000.00	275,130.53	254,992.43	664,925.07	153,072.88	316,000.90	3,335,121.81
Iowa	1,832,695.22	396,660.40	.....	787,896.09	.....	407,937.30	3,425,189.01
Kansas	1,416,467.00	123,479.62	544,958.79	.....	.....	199,980.21	2,284,885.62
Kentucky	684,000.00	276,866.77	521,360.87	171,332.84	.....	.....	1,655,560.48
Louisiana	2,498,378.93	116,819.80	.....	242,690.11	.....	88,102.52	2,945,991.36
Maine	311,402.61	51,032.49	.....	44,235.00	.....	40,925.27	447,595.37
Maryland	826,286.58	45,424.64	.....	161,183.80	.....	112,467.41	1,145,362.43
Massachusetts	615,109.70	.....	.....	.....	.....	.....	615,109.70
Michigan	2,649,578.98	449,423.98	.....	.....	.....	82,978.51	3,181,981.47
Minnesota	1,942,741.71	401,334.31	8,187.88	621,184.11	.....	.....	2,973,448.01
Mississippi	833,164.13	57,375.11	.....	591,759.21	.....	348,494.83	1,830,793.28
Missouri	735,000.00	130,954.88	242,495.31	374,803.62	.....	431,779.63	1,915,033.44
Montana	1,070,386.00	44,299.36	.....	445,527.71	.....	363,337.87	1,923,550.94
Nebraska	1,034,271.65	95,786.70	.....	870,397.48	562.53	175,326.31	2,176,344.67
Nevada	166,371.49	.....	.....	35,000.00	.....	1,515.57	202,887.06
New Hampshire	158,002.12	29,639.89	.....	26,136.23	.....	3,394.11	217,172.35
New Jersey	1,549,270.71	316,236.39	.....	.....	.....	13,420.45	1,878,927.55
New Mexico	456,924.00	6,650.00	.....	37,676.96	42,500.00	91,808.23	635,561.19
New York:							
Cornell	3,010,305.64	505,714.92	.....	629,688.57	.....	.....	4,145,709.13
State	1,287,938.21	35,919.36	.....	66,556.57	.....	.....	1,390,414.14
North Carolina	1,700,602.16	74,433.64	.....	160,119.62	184,600.49	.....	2,127,756.11
North Dakota	1,077,974.52	52,359.15	5,754.26	180,186.40	.....	211,438.93	1,527,713.26
Ohio	2,358,350.60	193,085.36	.....	286,918.75	.....	710,474.01	3,548,828.72
Oklahoma	1,218,917.00	77,107.10	.....	438,523.51	6,300.00	311,711.47	2,052,559.08
Oregon	1,990,687.65	260,116.73	173,841.72	153,127.73	.....	.....	2,577,773.68
Pennsylvania	1,264,097.68	237,990.28	.....	123,207.50	189,507.28	149,531.24	1,964,333.98
Puerto Rico	1,535,971.00	.....	.....	.....	124,000.00	93,599.86	1,753,570.86
Rhode Island	144,086.18	42,250.18	.....	65,907.70	.....	97,157.05	349,401.19
South Carolina	541,534.44	99,900.00	.....	361,501.22	.....	75,196.24	1,078,133.90
South Dakota	701,667.00	91,622.32	.....	197,947.99	.....	70,372.21	1,141,609.52
Tennessee	759,807.38	74,744.75	.....	300,512.15	.....	95,524.70	1,230,588.98
Texas	1,833,792.70	574,377.79	.....	1,588,820.49	405,184.89	923,307.11	5,325,482.98
Utah	500,000.00	225,363.67	.....	133,000.35	17,293.76	148,322.43	1,023,980.21
Vermont	100,500.00	9,900.00	.....	904.20	.....	23,329.41	214,633.61
Virginia	1,475,301.21	.....	.....	227,246.74	.....	.....	1,702,547.95
Washington	2,371,837.30	171,821.76	.....	297,198.10	33,239.41	.....	2,874,096.57
West Virginia	296,530.00	22,457.70	.....	186,662.50	.....	215,933.09	721,583.29
Wisconsin	1,916,038.00	841,268.00	.....	557,474.00	149,393.00	.....	3,464,223.00
Wyoming	454,123.74	12,300.00	.....	179,583.26	.....	64,107.80	710,114.80
Total	$71,835,105.69	$8,556,441.12	$1,834,620.32	$15,122,794.96	$1,445,333.10	$8,907,405.14	$107,701,700.33

TABLE 5.--Obligations and funds availeble under the Hatch Act, as amended, for the fiscal year ended June 30, 1958

Station	Obligations												Unobligated	Funds available
	Personal services	Travel	Transportation of things	Communication service	Rents and utility services	Printing and reproduction	Other contractual services	Supplies and materials	Equipment	Lands and structures (contractual)	Contributions to retirement	Taxes and assessments	Total obligations		
Alabama	$498,268.15	$24,887.43	$2,185.36	$2,813.59	$4,793.31	$2,858.65	$15,473.68	$70,281.64	$44,701.52	$9,101.67			$675,365.00		$675,365.00
Alaska	178,057.79	3,095.68	89.05		44.80	161.00	907.10	8,118.04	2,364.54				192,838.00		192,838.00
Arizona	166,584.68	18,779.67	375.24	1,389.33	138.35	80.80	1,926.42	44,641.34	3,675.80		$5,159.50	$5,356.87	248,108.00		248,108.00
Arkansas	422,075.33	14,650.89	26.83	15.00	6,620.78	6,680.36	11,164.94	36,124.35	63,178.91	612.87	7,553.74		568,704.00		568,704.00
California	640,888.00												640,888.00		640,888.00
Colorado	230,861.22	8,785.57	601.41	1,018.23	3,370.08	2,150.92	5,731.49	27,967.68	13,495.04		8,315.36		302,297.00		302,297.00
Connecticut:															
State	96,872.38	1,031.03				2,118.57	1,782.65	5,040.17	24,077.85				130,922.65	$867.35	131,790.00
Storre	103,623.25	2,855.97	4.71		223.44	356.39	474.55	12,615.48	11,637.21				131,791.00		131,791.00
Delaware	132,475.80	5,333.67	238.22	4,676.28	1,635.75	1,112.45	1,135.16	38,236.87	19,647.80				204,492.00		204,492.00
Florida	299,611.71	1,574.25	398.37	254.12			293.35	5,664.06	50,144.63	24,265.85			382,206.34	73.66	382,280.00
Georgia	564,146.35	12,481.82	547.64	1,234.12	4,863.07	606.52	7,702.28	59,087.50	52,140.70				702,810.00		702,810.00
Hawaii	190,435.92	7,053.48	274.39	799.00		858.20	4,964.37	5,993.98	20,470.16		11,516.11		230,849.50	.50	230,850.00
Idaho	235,857.77	11,626.18	35.93	516.23	736.64	1,760.66	188.31	15,756.51	3,091.77				269,570.00		269,570.00
Illinois	466,208.23	19,001.83	743.37	654.86	1,082.66	6,760.19	6,983.25	93,168.41	58,592.09		11,516.11		664,711.00		664,711.00
Indiana	473,794.61	4,905.10	460.46	340.10	1,677.62	271.20	6,320.33	64,393.23	27,928.00	813.35			580,904.00		580,904.00
Iowa	571,006.15								7,842.37	4,033.48			582,882.00		582,882.00
Kansas	390,699.83	2,500.19	106.62		1,819.32	19.54	3,113.37	16,943.14	16,359.17			365.10	431,926.28	11.72	431,938.00
Kentucky	583,858.41	17,720.43	373.35	417.91	864.89	3,134.70	13,088.44	51,817.92	17,505.13			8,894.82	697,676.00		697,676.00
Louisiana	365,741.93	14,834.91	248.22	1,269.50	1,639.89	1,870.54	2,385.00	61,687.61	42,342.71	8,890.69			500,911.00		500,911.00
Maine	235,111.61	6,799.53	340.48	303.07	1,316.50	159.19	4,452.03	14,877.02	14,298.57				277,658.00		277,658.00
Maryland	218,390.31	5,147.34	259.10	555.09	1,859.31	6,112.51	7,738.95	56,286.56	26,916.53	150.00			323,415.70	10,866.30	334,282.00
Maseachussette	224,763.89	8,533.78	662.37	2.00	818.84	3,049.34	4,483.97	41,302.74	29,174.07				312,791.00		312,791.00
Michigan	626,232.00					7,500.00							633,732.00		633,732.00
Minnesota	456,360.95	13,774.51	245.13	552.93	456.44	5,903.32	9,421.19	44,025.93	32,028.40	2,068.20			564,837.00		564,837.00
Miseiseippi	567,176.64	10,115.79	618.92	2,244.58	10,393.42	1,946.01	15,340.56	47,671.91	27,848.17				683,356.00		683,356.00
Miecouri	538,101.65	16,649.35	584.93	102.19	550.85	1,156.70	6,424.92	48,740.14	9,743.06	16.21			622,070.00		622,070.00
Montana	250,612.02	1,926.58	6.91	53.00	93.67	1,117.89	1,380.28	5,144.08	2,627.57				262,962.00		262,962.00
Nebraska	349,359.30	2,557.12	190.25	35.34	89.05	1,974.91	973.62	11,391.83	18,404.23	957.35			385,933.00		385,933.00
Nevada	126,676.77	6,684.15	683.95	1,812.08	2,200.80	1,981.18	7,127.63	29,440.18	14,004.27	1,072.99			191,684.00		191,684.00
New Hampshire	194,539.48	1,685.79	138.52	155.51	600.00	164.25	477.42	18,871.43	8,562.60	200.00			225,395.00		225,395.00
New Jersey	239,760.73	2,809.34	230.35	452.08	2,282.37	974.27	7,372.40	31,743.76	21,137.70				306,763.00		306,763.00
New Mexico	212,980.15	5,168.20	328.23	332.96	5,991.28		5,747.18	12,457.96	19,068.04				262,074.00		262,074.00
New York:															
Cornell	352,010.99	18,521.45	164.03	2,711.08	1,420.49	1,746.87	46,493.23	75,725.37	75,017.68	11,332.90			585,144.09	14.91	585,159.00
State	48,987.51	226.81	28.82	420.35	64.00	5.37	1,273.39	6,553.39	7,397.19				64,956.83	61.17	65,018.00
North Carolina	726,352.15	12,283.88	294.45	1,417.23	3,284.59	3,108.41	14,604.67	75,882.45	80,098.08	4,952.09			922,278.00		922,278.00
North Dakota	270,513.64	5,058.48	79.77	481.36	3.95	2,791.25	1,257.38	11,855.04	8,773.93		8,861.20	2,849.00	312,525.00		312,525.00
Ohio	676,653.06	17,359.99	70.22	111.51	1,844.82	1,743.51	4,223.03	24,963.00	23,608.86				750,578.00		750,578.00
Oklahoma	404,081.29	5,242.12	255.28	28.55	4,436.63	9.00	11,660.98	42,838.49	18,126.66	1,100.00			487,779.00		487,779.00
Oregon	308,100.14	4,774.94	583.68	266.12	225.01	826.29	3,576.88	17,923.13	5,020.81				341,297.00		341,297.00
Pennsylvania	612,700.54	17,219.75	379.79	319.75	78.38	5,850.94	14,346.47	64,362.17	54,542.45	56,435.76			826,236.00		826,236.00
Puerto Rico	392,052.76	12,740.14	386.50		5,614.92	3,229.07	1,853.58	115,037.75	81,293.75		11,417.40	4,869.12	628,494.99	6,720.01	635,215.00
Rhode Island	163,214.84	2,331.55	24.23	1,126.19	382.90	1,413.35	1,441.98	27,808.85	2,236.11				199,980.00		199,980.00
South Carolina	434,409.85	12,494.70	810.70	586.45	5,749.33	3,230.72	5,571.00	47,368.61	38,785.65	3,920.99			552,928.00		552,928.00
South Dakota	232,156.26	4,819.62	171.47	471.51	631.43	12,264.33	4,225.59	33,092.15	22,296.31				310,128.67	100.33	310,229.00
Tennessee	565,190.08	25,006.34	612.00	382.13	3,506.57	1,093.00	13,781.51	65,400.85	15,608.24	14,141.28			704,722.00		704,722.00
Texas	661,908.09	42,327.52	508.04	2,966.09	6,247.30	14,858.41	71,382.21	64,043.31	50,945.07	5,655.22		17,085.74	937,927.00		937,927.00
Utah	222,510.34	2,779.60	225.57		35.75	41.40	1,084.42	4,552.94	5,523.98				236,754.00		236,754.00
Vermont	209,747.66	8,015.57	204.96	372.02	529.40	127.55	1,513.22	10,473.37	3,353.24	595.45		335.56	235,268.00		235,268.00
Virginia	624,701.00												624,701.00		624,701.00
Washington	333,887.45	8,418.59	409.56	373.68	296.31	105.78	8,265.65	17,043.22	10,923.76				379,724.00		379,724.00
West Virginia	380,750.83	12,515.35	218.33	659.74	413.91	5,459.93	2,924.47	38,739.26	24,915.36	5,343.22		6,654.60	478,595.00		478,595.00
Wisconsin	377,443.16	16,500.70	626.94	348.20	5,744.54	1,360.59	8,801.96	109,161.79	44,920.80	10,944.48		312.84	576,166.00		576,166.00
Wyoming	198,065.83	200.00	6.28	144.65	526.87		2,013.14	2,857.04	10,361.70	94.04			214,269.55	17.45	214,287.00
Total	19,046,570.48	481,806.68	17,058.93	35,185.71	97,200.23	122,106.03	374,869.60	1,835,173.65	1,286,758.24	164,613.68	54,907.72	46,723.65	23,562,974.60	18,733.40	23,581,708.00

TABLE 6.—Obligations and funds available under the Regional Research Fund for the year ended June 30, 1958

Station	Obligations												Unobligated	Funds available
	Personal services	Travel	Transportation of things	Communication service	Rents and utility services	Printing and reproduction	Other contractual services	Supplies and materials	Equipment	Lands and structures (contractual)	Contributions to retirement	Taxes and assessments	Total obligations		
Alabama	$91,752.04	$2,333.06	$ 24.82	$169.84	$145.26	$121.61	$1,516.95	$4,176.93	$10,969.24	$483.25			$111,693.00		$111,693.00
Alaska	5,564.94	435.06											6,000.00		6,000.00
Arizona	57,242.04	6,635.47	454.67	333.59	1,732.02	110.85	3,802.43	21,444.91	1,371.34	176.94	$1,153.56	$1,492.18	95,950.00	$150.00	96,100.00
Arkansas	64,409.66	3,663.76	17.17		6,084.74	79.20	2,092.86	5,422.41	9,648.20	873.00	405.00		92,696.00		92,696.00
California	168,620.00	9,965.31					743.31	888.79	317.59				180,535.00		180,535.00
Colorado	104,244.08	8,272.80	264.38	2,243.22	2,676.58	197.28	4,060.89	23,152.55	18,908.29		2,399.93		166,420.00		166,420.00
Connecticut:															
State	6,633.18	460.17				776.75	92.25	1,582.01	2,720.64				12,265.00		12,265.00
Storrs	38,590.87	2,595.43	21.82		225.00	655.94	394.18	5,969.53	11,747.23				60,200.00		60,200.00
Delaware	29,942.90	2,764.26	36.10	64.10	179.87		568.10	5,217.69	3,301.98				42,075.00		42,075.00
Florida	37,899.60	7,402.45	62.04		133.10	142.44	372.71	7,239.40	5,521.45	2,991.27			61,764.46	116.54	61,881.00
Georgia	108,074.11	3,198.34	305.18	59.06	1,081.30	412.04	3,153.54	25,052.80	12,570.63	190.00			154,097.00		154,097.00
Hawaii	14,127.50	6,603.52	571.55	327.03	43.04	684.14	2,603.19	5,766.69	3,675.27	398.07			34,800.00		34,800.00
Idaho	71,296.72	9,531.15	43.82	294.73	649.98		432.69	9,907.40	3,714.76				95,871.25	28.75	95,900.00
Illinois	109,605.38	11,614.73	42.22	371.67	209.32	3,543.51	2,780.84	22,023.39	12,446.29			2,512.65	165,150.00		165,150.00
Indiana	93,788.04	5,289.83	163.19	221.66	1,689.61	1,981.52	773.71	29,764.00	7,866.70	24.24			141,562.50	1,487.50	143,050.00
Iowa	130,419.57	13,488.49	314.20	538.33	2,088.05	14.03	2,930.97	51,868.52	11,888.84				213,551.00	249.00	213,800.00
Kansas	61,339.19	12,763.91	6.80	19.35	450.87		10,812.21	15,181.76	3,177.58			781.28	104,532.95	73.84	104,606.79
Kentucky	96,926.63	2,472.04	365.42	32.00	1.24	557.30	2,399.92	11,071.21	1,626.86			1,385.88	116,838.50		116,838.50
Louisiana	43,705.84	4,453.93	13.68	312.77	474.49	30.84	693.62	19,526.84	6,600.99				75,813.00		75,813.00
Maine	66,304.41	7,959.10	91.29	34.40	476.80	385.11	659.66	2,515.00	4,074.23				82,500.00		82,500.00
Maryland	57,851.51	2,158.88	41.39	197.37	745.28	298.31	4,626.75	11,834.75	11,925.76				89,680.00		89,680.00
Massachusetts	77,094.34	3,257.75	97.16		952.10	16.45	2,250.56	11,153.66	3,327.98				98,150.00		98,150.00
Michigan	65,738.21	4,848.04	82.18	48.26	257.60	183.18	4,091.23	12,661.28	7,658.23				95,568.21		95,568.21
Minnesota	117,395.26	15,289.80	184.51	218.05	180.54	2,960.88	5,778.79	9,746.89	5,370.28				157,125.00		157,125.00
Mississippi	105,699.80	3,870.78	75.24	517.36	1,784.31	99.64	8,691.61	8,232.96	11,578.30				140,550.00		140,550.00
Missouri	83,127.14	4,913.86	81.62	27.29		84.42	605.04	5,825.25	1,435.38				96,100.00		96,100.00
Montana	92,127.90	8,132.43	722.87	127.22		125.76	3,731.46	3,563.92	5,449.16	90.00			114,070.72	1,804.28	115,875.00
Nebraska	93,170.98	5,134.75	25.75	42.85	141.00	19.20	4,744.80	9,042.75	2,777.92				115,100.00		115,100.00
Nevada	48,112.10	6,099.68	32.01	156.86	129.70	1,000.00	805.02	2,536.12	2,962.66	190.85			62,025.00		62,025.00
New Hampshire	30,161.05	2,698.04	322.15	202.05			59.50	10,374.10	4,058.94				47,875.83		47,875.83
New Jersey	71,068.79	6,418.03	285.65	36.33	545.99	158.20	9,226.07	12,402.26	14,640.65				114,781.97	2,778.03	117,560.00
New Mexico	55,860.14	5,408.69	261.89	158.89	371.71		2,220.89	4,011.83	4,305.96				72,600.00		72,600.00
New York:															
Cornell	108,364.19	13,767.55	64.14	313.09	1,160.28	445.90	4,414.98	19,816.98	11,040.99				159,388.10	546.90	159,935.00
State	34,675.58	1,317.33	51.35	179.83			2,238.82	4,199.68	5,959.24				48,621.83	78.17	48,700.00
North Carolina	135,086.05	1,260.76	7.37	253.43	500.00	250.00	4,492.65	8,448.80	6,341.94				156,641.00		156,641.00
North Dakota	37,406.06	2,073.56	116.88	245.00	404.24	40.00	504.09	9,060.55	4,949.44	214.87	135.31		55,150.00		55,150.00
Ohio	111,869.91	4,430.19	30.72	200.92	138.83	2,311.39	4,180.81	1,850.38	9,186.85				134,200.00		134,200.00
Oklahoma	63,984.30	3,168.34	3.65	30.06	1,534.19	25.12	797.60	4,290.10	5,203.64				79,037.00		79,037.00
Oregon	121,769.79	4,884.39		238.67	450.10	62.40	2,900.37	952.50	1,811.78				133,070.00		133,070.00
Pennsylvania	84,067.53	7,005.67	300.93	72.00	1,753.90	133.70	3,467.32	31,620.05	24,553.18				152,974.28	955.72	153,930.00
Puerto Rico	76,324.47	3,648.16	223.15			185.35	352.35	16,506.45	7,691.07		1,897.82	555.04	107,383.86	290.14	107,674.00
Rhode Island	72,003.62	1,720.50			40.00	1,568.42	56.63						75,389.17		75,389.17
South Carolina	70,073.43	2,857.81	242.36	178.39	1,274.11	414.10	1,426.85	8,334.61	3,797.18	118.16			88,717.00		88,717.00
South Dakota	46,574.45	3,509.45	81.54	125.21	811.30	159.38	666.94	12,398.54	7,487.24				71,814.05	135.95	71,950.00
Tennessee	115,136.49	1,566.70		86.46		1,505.77	608.61	2,309.60	679.37				121,893.00		121,893.00
Texas	114,927.39	6,156.08	270.10	311.29	1,611.28	269.34	6,472.97	17,886.58	12,010.52	294.38		1,016.07	161,226.00		161,226.00
Utah	75,601.38	9,491.94	288.90		549.46	63.31	5,347.41	21,173.83	8,652.77	196.00			121,365.00		121,365.00
Vermont	18,971.59	3,893.40	60.96	127.83	216.67		1,204.13	3,295.08	3,517.45	1,977.69		54.16	33,318.96	81.04	33,400.00
Virginia	105,915.05	1,254.31	23.65	231.94		197.78	1,800.77						109,423.50		109,423.50
Washington	156,948.34	11,308.75	429.85	96.37	648.66	564.16	3,753.96	11,610.09	19,547.42	2,136.17			207,043.77	1,931.23	208,975.00
West Virginia	63,955.43	15,575.30	100.09	63.94	1,031.73	1,323.97	1,065.87	14,110.09	3,393.30			296.29	100,916.01	413.99	101,330.00
Wisconsin	89,827.14	10,434.54	86.09	247.40	1,898.46	2,030.01	4,996.73	26,127.60	14,876.58			115.53	150,640.08	804.92	151,445.00
Wyoming	41,606.17	9,902.26	243.85	1,108.08	1,493.65	71.10	3,707.98	12,277.55	12,940.49	11,568.87			94,920.00		94,920.00
Total	4,042,982.28	309,360.53	7,636.35	10,864.19	38,966.36	26,259.80	142,173.59	595,426.66	371,279.78	21,708.89	6,071.18	8,344.39	5,581,074.00	11,926.00	5,593,000.00

TABLE 7.--Obligations and funds available under the Agricultural Marketing Act, Section 204(b), for the year ended June 30, 1958

Station	Obligations													Unobligated	Funds available[1]
	Personal services	Travel	Transportation of things	Communication service	Rents and utility services	Printing and reproduction	Other contractual services	Supplies and materials	Equipment	Lands and structures (contractual)	Contributions to retirement	Taxes and assessments	Total obligations		
Alabama	$4,831.87	$706.48		$19.50		$57.93	$151.15	$273.66					$6,040.59	$879.61	$6,920.20
Alaska	7,462.82	151.00					395.68	313.36	$177.14				8,500.00		8,500.00
Arizona	4,147.31	553.78	$11.05	34.98				422.97	346.50		$89.69	$37.55	5,643.83	356.17	6,000.00
Arkansas	1,941.26						12.50	471.24			75.00		2,500.00		2,500.00
California	19,130.00												19,130.00		19,130.00
Colorado	3,716.67	144.51		171.17		25.21	499.80	165.61	289.52				5,012.49		5,012.49
Connecticut: Storre	8,060.15	1,191.51				428.60	44.50	354.02	29.49				10,108.27	2,252.86	12,361.13
Delaware	2,721.16	21.60					337.80	3.00					3,083.56	416.44	3,500.00
Florida	15,114.42	77.65	574.26				1,610.57	837.52					18,214.42	357.03	18,571.45
Georgia	9,562.13	221.31	5.58		$1,099.46	5.04	7.16	199.97	433.11				11,533.76	1,020.45	12,554.21
Illinois	5,214.95	1,446.29						98.21			200.00		6,959.45	624.28	7,583.73
Indiana	34,298.10	141.31						1,204.36	2,256.19				37,899.96	3,181.34	41,081.30
Iowa	20,227.30	2,249.37	89.64	54.92			2,158.19	5,174.42	1,726.67				31,680.51	3,174.23	34,854.74
Kansas	20,235.43	287.93		44.00			45.84	1,518.57	3,644.61			278.82	26,055.20	1,609.37	27,664.57
Kentucky	11,584.40	1,811.21	36.16	26.60			400.00		195.50			198.32	14,252.19		14,252.19
Louieiana	3,044.60							310.61	144.79				3,500.00		3,500.00
Maine	18,209.19	3,023.83	1.10	469.40	800.50	49.31	565.86	1,434.77	836.28				25,390.24	821.08	26,211.32
Maryland	5,471.38	771.60		22.58			6.00	207.04	375.73				6,854.33	2,657.07	9,511.40
Michigan	56,222.89	850.89	2.49	187.24	7.43	835.00	21,039.04	1,686.98	713.11				81,545.07	3,055.49	84,600.56
Miesiesippi	9,731.07	243.57	13.50	17.13	185.70		40.50	636.85	66.45				10,934.77	1,140.09	12,074.86
Misecuri	34,677.68	1,001.92	16.87	154.76	74.15	87.94	381.09	4,732.26	873.33				42,000.00		42,000.00
Nebraska	6,479.23	271.93		7.50		67.37		168.83				168.16	7,163.02	836.98	8,000.00
New Jereey	7,788.00	12.00						68.66	75.00				7,943.66	.85	7,944.51
Ohio	10,408.22	918.03			420.00				3.75				11,750.00		11,750.00
Oklahoma	7,553.05												7,553.05		7,553.05
Oregon	13,008.74	436.38		164.62		6.91	292.55	90.80					14,000.00		14,000.00
Pennsylvania	3,000.00												3,000.00		3,000.00
South Dakota	7,136.80	199.18	5.28	11.95	5.37	68.40	519.01	385.71	168.30				8,500.00		8,500.00
Tenneesee	319.20	25.00	26.22	7.28				2,122.30					2,500.00		2,500.00
Texas	12,327.86	1,263.46	6.17	123.10		431.34	1,398.35	2,807.42	362.56			204.74	18,925.00		18,925.00
Washington	25,077.85	1,686.33	3.12	12.60		549.96	626.23	1,085.67	49.08				29,090.84	3,121.28	32,212.12
West Virginia	860.00											19.36	879.36	1,620.64	2,500.00
Wyoming	7,992.64	1,233.87	115.46	15.70			565.97	503.84	1,829.58	$100.00			12,357.06	142.94	12,500.00
Total	397,556.37	20,941.94	906.90	1,545.03	2,592.61	2,613.01	31,097.79	27,278.65	14,596.69	100.00	364.69	906.95	500,500.63	27,268.20	527,768.83

[1]Included are allotments from the appropriation for fiscal year 1958 plus unexpended balances from the appropriation for fiscal year 1957.

TABLE 8.—Obligations from non-Federal funds for the year ended June 30, 1958

Station	Personal services	Travel	Transportation of things	Communication service	Rents and utility services	Printing and reproduction	Other contractual services	Supplies and materials	Equipment	Lands and structures (contractual)	Contributions to retirement	Taxes and assessments	Total	Unobligated balance
Alabama	$949,909.92	$50,857.66	$6,862.94	$12,018.04	$43,900.67	$10,780.54	$125,345.88	$490,154.40	$143,350.37	$20,362.35		$11,275.38	$1,864,818.15	$585,613.30
Alaska	119,771.00	5,645.00	1,285.00	467.00	1,472.00	1,495.00	13,518.00	27,648.00	5,245.00	37,883.00		4,915.00	219,344.00	48,490.00
Arizona	771,135.93	22,605.21	1,813.42	6,981.45	28,056.15	2,992.80	19,038.68	133,843.46	81,549.97	37,236.53	$776.00	6,450.47	1,112,480.07	30,918.17
Arkansas	792,417.97	30,143.54	16,231.14	17,541.17	55,764.60	26,128.18	104,533.14	293,980.34	271,586.14	196,624.08		15,400.43	1,820,350.73	92,474.28
California	8,265,711.25	345,595.10	8,925.87	114,831.18	88,380.69	101,707.71	337,108.11	776,408.25	497,541.46				10,536,209.62	918,829.02
Colorado	589,089.70	28,150.40	4,579.52	9,924.38	42,180.42	14,136.16	37,355.97	180,044.72	92,919.52	24,253.47	21,965.42		1,044,599.68	177,042.98
Connecticut:														
State	390,148.52	1,354.91	353.84	2,773.20	9,820.59	6,095.50	11,665.04	24,405.47	4,741.15	202,393.77			653,751.99	11,343.49
Storrs	525,977.21	8,060.35	204.19	331.46	3,894.84	4,572.00	8,690.02	69,784.21	12,927.72				634,442.00	107,686.00
Dslaware	300,839.47	9,240.10	2,184.33	1,722.99	17,561.05	2,356.24	20,350.46	114,367.96	14,349.21				482,971.81	70,813.56
Florida	3,313,094.24	168,915.36	8,195.07	35,116.12	83,955.62	57,860.06	121,964.74	626,567.80	303,023.79	102,113.43			4,820,806.23	463,700.53
Georgia	1,340,655.97	38,790.51	1,643.92	19,591.22	81,103.85	25,123.86	67,598.85	629,916.32	183,451.13	366,413.14	28,912.16	33,041.42	2,816,242.35	659,922.92
Hawaii	557,983.48	6,691.38	3,492.08	4,968.13	14,767.22	7,203.80	36,052.92	98,785.76	33,804.67	7,000.00			770,749.44	29,346.28
Idaho	491,109.94	19,927.20	939.09	7,198.77	12,323.67	2,047.30	19,297.78	161,674.43	81,716.38	177,598.10	741.25	2,600.05	977,173.96	265,707.59
Illinois	2,061,797.92	130,000.00			40,000.00	100,000.00	65,000.00	324,551.37	47,766.75	1,185.24			2,770,301.28	
Indiana	1,841,960.88	69,985.32	12,750.19	30,520.13	66,626.13	21,901.05	116,907.56	721,875.89	158,490.74	38,450.83			3,079,468.72	255,653.09
Iowa	1,464,818.37	119,028.98	3,902.35	19,179.49	28,685.26	11,529.28	9,893.39	916,463.55	140,749.31	52,101.23	117,799.41		2,884,150.62	541,038.39
Kansas	1,329,424.79	32,934.11	5,050.75	8,775.21	48,566.53	31,334.09	76,774.81	407,168.82	121,370.65	17,611.22		24,274.79	2,103,285.77	181,599.85
Kentucky	765,065.56	20,514.33	1,254.79	7,935.90	50,173.14	6,733.97	87,046.43	215,534.68	152,339.79	336,116.89		12,845.00	1,655,560.48	
Louisiana	1,741,759.58	59,314.67	2,803.72	20,888.16	40,609.66	3,729.48	33,586.11	571,138.66	189,898.51	170,155.35			2,833,883.90	112,107.46
Maine	248,913.73	26,908.44	1,287.36	3,700.85	13,171.89	10,913.96	15,724.56	64,630.65	23,320.09	665.00			409,236.53	38,358.84
Maryland	694,865.67	12,430.09	920.19	3,605.16	14,625.73	4,421.63	50,632.86	241,865.64	38,283.66	1,651.27		1,337.42	1,064,639.32	80,723.11
Massachusetts	572,023.66	5,833.88	500.90	3,000.00	4,457.08	1,093.78	8,351.32	18,044.54	1,804.54				615,109.70	
Michigan	2,204,039.00	64,340.67	3,566.27	6,954.58	15,996.54	48,236.65	149,874.12	284,799.98	229,631.39	78,011.36			3,085,450.56	96,530.91
Minnesota	2,146,273.19	37,453.91	5,426.52	18,402.44	63,913.52	10,725.98	213,284.57	334,528.22	137,445.79	5,993.87			2,973,448.01	
Miesissippi	697,383.60	15,074.22	4,201.91	11,123.45	61,274.35	15,593.16	71,395.15	379,129.79	142,811.32	123,596.94	49,604.54		1,571,188.43	259,604.85
Missouri	817,797.54	56,915.86	3,425.67	12,513.66	69,385.02	46,719.85	109,414.25	283,510.90	121,652.46	5,948.60	22,946.21		1,550,230.02	364,803.42
Montana	733,384.83	29,596.13	4,755.77	8,714.79	21,503.63	10,530.37	108,257.72	217,092.55	111,103.15	99,738.04	29,144.32	19,378.30	1,393,199.60	530,351.34
Nebraska	843,804.07	97,571.38	22,397.90	19,254.48	99,945.72	33,694.73	142,260.44	375,867.89	160,744.42	51,708.55			1,847,249.58	329,095.09
Nevada	135,906.77	2,662.95	132.13	518.07	2,859.27	387.86	8,886.09	40,575.12	8,037.95	446.00			200,412.21	2,474.85
New Hampshire	141,656.07	5,449.17	428.76	1,530.92	2,480.06	1,868.23	435.96	33,837.14	12,992.24	720.00			201,398.55	15,773.80
New Jersey	1,302,678.90	34,317.01	1,374.80	24,713.71	65,726.06	16,151.94	145,858.72	184,030.76	73,423.71				1,848,275.61	30,651.94
New Mexico	347,018.73	9,378.22	703.96	2,148.12	10,622.26	4,764.54	29,643.15	56,890.20	64,484.24	64,246.91	28,020.65		617,920.98	17,640.21
New York:														
Cornell	2,906,920.64	54,711.35	5,657.14	54,616.52	336,059.86	65,559.09	189,522.24	426,177.46	101,164.65	5,320.18			4,145,709.13	
State	1,145,745.10	13,734.62	1,400.30	6,265.34	20,717.79	15,641.24	15,879.64	108,865.76	35,366.49	26,797.86			1,390,414.14	
North Carolina	1,606,034.61	40,566.79	2,343.45	24,285.76	22,576.75	17,264.50	77,159.93	200,011.55	128,116.74	9,396.03			2,127,756.11	
North Dakota	539,820.07	19,881.73	2,656.60	3,579.56	12,599.23	5,965.88	77,150.34	131,609.06	39,134.01	209,427.98	21,388.38	14,881.53	1,078,094.37	449,618.89
Ohio	1,408,296.46	33,705.12	6,476.63	14,979.88	47,601.08	1,971.63	50,071.39	402,344.17	109,389.23	427,755.33	4,034.75		2,506,625.67	1,042,203.05
Oklahoma	964,509.55	45,830.36	3,554.93	13,920.44	45,659.34	12,761.21	94,328.25	398,924.74	90,337.88	35,060.18	21,321.36		1,726,208.24	326,350.84
Oregon	1,779,998.32	79,862.73	7,923.42	14,065.30	20,392.80	32,077.90	50,694.22	254,024.00	86,409.04	149,582.68	94,719.21	8,024.26	2,577,773.88	
Psnnsylvania	1,275,557.82	47,812.07	2,585.90	3,937.74	12,830.18	22,248.32	63,149.33	237,232.11	102,503.65	2,573.12			1,770,430.24	193,903.74
Pusrto Rico	975,214.89	16,869.09	12,286.92	12,331.44	44,240.73	16,513.15	50,124.60	104,044.69	107,261.17	90,654.37	42,350.22	14,898.51	1,486,789.78	266,781.08
Rhode Island	164,512.72	1,608.24	76.70	380.79	4,151.26	2,982.36	1,336.42	26,388.73	4,056.06	4,326.85			209,820.13	139,581.06
South Carolina	591,216.07	17,944.41	2,078.69	7,628.48	25,349.64	6,545.71	42,248.73	208,726.43	74,063.31	17,058.32			992,859.79	85,274.11
South Dakota	589,770.96	30,737.85		9,203.97	4,260.31	7,460.52	53,134.82	145,074.40	132,692.33	9,000.00			981,335.16	160,274.36
Tsnnssse	549,758.18	22,379.87	3,489.65	14,744.75	20,431.96	16,639.03	75,874.34	189,407.87	56,291.30	93,489.44			1,042,506.39	188,082.59
Texas	2,340,850.72	65,724.48	8,569.46	37,773.63	145,543.81	19,014.42	610,436.00	554,972.34	363,311.19	59,980.28		31,757.76	4,237,934.09	1,087,548.89
Utah	469,086.98	25,610.93	2,370.11	11,268.99	21,320.60	9,888.50	43,813.33	149,444.66	70,636.82	33,500.18	36,172.73		873,113.83	150,866.38
Vermont	100,033.55	4,458.43	31.46	2,259.66	9,206.66	4,826.39	25,354.55	7,861.65	5,441.36	2,044.94	12,072.51	4,477.96	178,069.12	36,564.49
Virginia	927,879.81	64,264.86	6,812.63	16,852.63	83,576.34	12,187.06	74,466.89	271,152.77	120,356.26	124,998.70			1,702,547.95	
Washington	1,823,692.00	65,382.20	4,803.90	18,072.06	49,381.59	25,427.14	99,090.74	420,458.17	163,908.15	75,157.09	90,129.74	38,593.79	2,874,096.57	
West Virginia	286,724.97	4,618.35	1,341.06	5,215.30	22,804.77	1,944.84	18,718.21	130,055.20	41,910.08	175.00		2,044.96	515,552.74	206,030.55
Wisconsin	2,193,893.00	40,531.00	3,118.00	2,771.00	12,471.00	13,164.00	63,742.00	479,795.00	92,841.00	561,897.00			3,464,223.00	
Wyoming	353,325.03	30,053.25	2,515.71	4,659.86	18,504.15	9,076.75	32,734.46	89,661.73	40,551.48	37,186.30			618,268.72	91,846.08
Total	61,491,258.91	2,291,973.79	211,687.01	755,757.33	2,143,483.07	961,989.34	4,174,777.23	14,235,349.96	5,628,299.42	4,195,607.00	622,098.86	246,197.03	96,958,478.95	10,743,221.38

TABLE 9.—Summary by States of obligations of ths experiment etations for ths year ended Juns 30, 1958

Station	Federal-grant funde			Contractual Federal funde, Agricultural Marksting Act Sec. 204(b)	Total Fsderal funde	Non-Fedsral funds	Grand total
	Hatch Act, ae amended	Regional Research Fund	Total				
Alabama	$675,365.00	$111,693.00	$787,058.00	$6,040.59	$793,098.59	$1,864,818.15	$2,657,916.74
Alaska	192,838.00	6,000.00	198,838.00	8,500.00	207,338.00	219,344.00	426,682.00
Arizona	248,108.00	95,950.00	344,058.00	5,643.83	349,701.83	1,112,480.07	1,462,181.90
Arkansae	568,704.00	92,696.00	661,400.00	2,500.00	663,900.00	1,820,350.73	2,484,250.73
California	640,888.00	180,535.00	821,423.00	19,130.00	840,553.00	10,536,209.62	11,376,762.62
Colorado	302,297.00	166,420.00	468,717.00	5,012.49	473,729.49	1,044,599.68	1,518,329.17
Connecticut:							
Stats	130,922.65	12,265.00	143,187.65		143,187.65	653,751.99	796,939.64
Storrs	131,791.00	60,200.00	191,991.00	10,108.27	202,099.27	634,442.00	836,541.27
Delaware	204,492.00	42,075.00	246,567.00	3,083.56	249,650.56	482,971.81	732,622.37
Florida	382,206.34	61,764.46	443,970.80	18,214.42	462,185.22	4,820,806.23	5,282,991.45
Georgia	702,810.00	154,097.00	856,907.00	11,533.76	868,440.76	2,816,242.35	3,684,683.11
Hawaii	230,849.50	34,800.00	265,649.50		265,649.50	770,749.44	1,036,398.94
Idaho	269,570.00	95,871.25	365,441.25		365,441.25	977,173.96	1,342,615.21
Illinoie	664,711.00	165,150.00	829,861.00	6,959.45	836,820.45	2,770,301.28	3,607,121.73
Indiana	580,904.00	141,562.50	722,466.50	37,899.96	760,366.46	3,079,468.72	3,839,835.18
Iowa	582,882.00	213,551.00	796,433.00	31,680.51	828,113.51	2,884,150.62	3,712,264.13
Kansas	431,926.28	104,532.95	536,459.23	26,055.20	562,514.43	2,103,285.77	2,665,800.20
Kentucky	697,676.00	116,838.50	814,514.50	14,252.19	828,766.69	1,655,560.48	2,484,327.17
Louisiana	500,911.00	75,813.00	576,724.00	3,500.00	580,224.00	2,833,883.90	3,414,107.90
Maine	277,658.00	82,500.00	360,158.00	25,390.24	385,548.24	409,236.53	794,784.77
Maryland	323,415.70	89,680.00	413,095.70	6,854.33	419,950.03	1,064,639.32	1,484,589.35
Massachuoettts	312,791.00	98,150.00	410,941.00		410,941.00	615,109.70	1,026,050.70
Michigan	633,732.00	95,568.21	729,300.21	81,545.07	810,845.28	3,085,450.56	3,896,295.84
Minnesota	564,837.00	157,125.00	721,962.00		721,962.00	2,973,448.01	3,695,410.01
Missiesippi	683,356.00	140,550.00	823,906.00	10,934.77	834,840.77	1,571,188.43	2,406,029.20
Missouri	622,070.00	96,100.00	718,170.00	42,000.00	760,170.00	1,550,230.02	2,310,400.02
Montana	262,962.00	114,070.72	377,032.72		377,032.72	1,393,199.60	1,770,232.32
Nebraska	385,933.00	115,100.00	501,033.00	7,163.02	508,196.02	1,847,249.58	2,355,445.60
Nevada	191,684.00	62,025.00	253,709.00		253,709.00	200,412.21	454,121.21
New Hampshire	225,395.00	47,875.83	273,270.83		273,270.83	201,398.55	474,669.38
Nsw Jsrsey	306,763.00	114,781.97	421,544.97	7,943.66	429,488.63	1,848,275.61	2,277,764.24
Nsw Mexico	262,074.00	72,600.00	334,674.00		334,674.00	617,920.98	952,594.98
Nsw York:							
Cornell	585,144.09	159,388.10	744,532.19		744,532.19	4,145,709.13	4,890,241.32
State	64,956.83	48,621.83	113,578.66		113,578.66	1,390,414.14	1,503,992.80
North Carolina	922,278.00	156,641.00	1,078,919.00		1,078,919.00	2,127,756.11	3,206,675.11
North Dakota	312,525.00	55,150.00	367,675.00		367,675.00	1,078,094.37	1,445,769.37
Ohio	750,578.00	134,200.00	884,778.00	11,750.00	896,528.00	2,506,625.67	3,403,153.67
Oklahoma	487,779.00	79,037.00	566,816.00	7,553.05	574,369.05	1,726,208.24	2,300,577.29
Oregon	341,297.00	133,070.00	474,367.00	14,000.00	488,367.00	2,577,773.88	3,066,140.88
Psnnsylvania	826,236.00	152,974.28	979,210.28	3,000.00	982,210.28	1,770,430.24	2,752,640.52
Pusrto Rico	628,494.99	107,383.86	735,878.85		735,878.85	1,486,789.78	2,222,668.63
Rhode Ieland	199,980.00	75,389.17	275,369.17		275,369.17	209,820.13	485,189.30
South Carolina	552,928.00	88,717.00	641,645.00		641,645.00	992,859.79	1,634,504.79
South Dakota	310,128.67	71,814.05	381,942.72	8,500.00	390,442.72	981,335.16	1,371,777.88
Tennsssee	704,722.00	121,893.00	826,615.00	2,500.00	829,115.00	1,042,506.39	1,871,621.39
Texas	937,927.00	161,226.00	1,099,153.00	18,925.00	1,118,078.00	4,237,934.09	5,356,012.09
Utah	236,754.00	121,365.00	358,119.00		358,119.00	873,113.83	1,231,232.83
Vermont	235,268.00	33,318.96	268,586.96		268,586.96	178,069.12	446,656.08
Virginia	624,701.00	109,423.50	734,124.50		734,124.50	1,702,547.95	2,436,672.45
Washington	379,724.00	207,043.77	586,767.77	29,090.84	615,858.61	2,874,096.57	3,489,955.18
Weet Virginia	478,595.00	100,916.01	579,511.01	879.36	580,390.37	515,552.74	1,095,943.11
Wisconsin	576,166.00	150,640.08	726,806.08		726,806.08	3,464,223.00	4,191,029.08
Wyoming	214,269.55	94,920.00	309,189.55	12,357.06	321,546.61	618,268.72	939,815.33
Total	23,562,974.60	5,581,074.00	29,144,048.60	500,500.63	29,644,549.23	96,958,478.95	126,603,028.18

TABLE 10.—Summary by classification of obligations of the expsriment stations for the year ended June 30, 1958

Account	Fsdsral-grant funds			Contractual Federal funds, Agricultural Marketing Act Sec. 204(b)	Total Fedsral funds	Non-Fedsral funds	Grand total
	Hatch Act, as amended	Regional Rsssarch Fund	Total				
01 Pereonal ssrvices	$19,046,570.48	$4,042,982.28	$23,089,552.76	$397,556.37	$23,487,109.13	$61,491,258.91	$84,978,368.04
02 Travel	481,806.68	309,360.53	791,167.21	20,941.94	812,109.15	2,291,973.79	3,104,082.94
03 Transportation of things	17,058.93	7,636.35	24,695.28	906.90	25,602.18	211,687.01	237,289.19
04 Communication eervics	35,185.71	10,864.19	46,049.90	1,545.03	47,594.93	755,757.33	803,352.26
05 Rsnte and utility ssrvices	97,200.23	38,966.36	136,166.59	2,592.61	138,759.20	2,143,483.07	2,282,242.27
06 Printing and reproduction	122,106.03	26,259.80	148,365.83	2,613.01	150,978.84	961,989.34	1,112,968.18
07 Other contractual services	374,869.60	142,173.59	517,043.19	31,097.79	548,140.98	4,174,777.23	4,722,918.21
08 Supplies and materials	1,835,173.65	595,426.66	2,430,600.31	27,278.65	2,457,878.96	14,235,349.96	16,693,228.92
09 Equipment	1,286,758.24	371,279.78	1,658,038.02	14,596.69	1,672,634.71	5,628,299.42	7,300,934.13
10 Lands and structurse (contractual)	164,613.68	21,708.89	186,322.57	100.00	186,422.57	4,195,607.00	4,382,029.57
11 Contributions to retirement	54,907.72	6,071.18	60,978.90	364.69	61,343.59	622,098.86	683,442.45
15 Taxes and aeeeesments	46,723.65	8,344.39	55,068.04	906.95	55,974.99	246,197.03	302,172.02
Total	23,562,974.60	5,581,074.00	29,144,048.60	500,500.63	29,644,549.23	96,958,478.95	126,603,028.18

LIST OF AGRICULTURAL EXPERIMENT STATIONS IN THE UNITED STATES

November 1958

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[1] On leave of absence.

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